

Practitioner's Docket No. 08479-39460

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: J. Britton Zabka

Application No.: 09/823,408

Group No.: 2872

Filed: March 30, 2001

Examiner: CHANG, Audrey Y

For: METHODS AND APPARATUS FOR PRODUCING SIMULTANEOUS AND NEAR REAL  
TIME HOLOGRAPHIC IMAGERYCommissioner for Patents  
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Alexandria, VA 22313-1450RECEIVED  
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## RESPONSE AFTER FINAL REJECTION

In response to the Office Action of September 25, 2003, please amend the claims as follows:

I claim:

1. (Fourth Amendment) A holographic printer comprising:

- (a) a source of coherent light;
- (b) means for dividing said source into an object beam and a reference beam, said object beam having a beam path, said reference beam having at least one beam path;
- (c) means, positioned along said object beam path, for positioning an image in said object beam path;
- (d) means for supporting a recording medium in both said object beam path and said reference beam path;
- (e) means, positioned along said reference beam path between said source dividing means and said recording medium support, for dividing said reference beam into at least three ~~substantially identical~~ reference beams, each having its own path, wherein,

- i. said object beam path, from said source dividing means to said recording medium support, has a given length.
  - ii. each of said reference beam paths, from said source dividing means to said recording medium support has said given length; and
  - iii. each of said reference beam paths intersects intersecting-said object beam path at said recording medium support; and
- (f) a plurality of shutter means, said plurality of shutter means including a shutter means positioned in said object beam path between said source dividing means and said recording medium support, said plurality of shutter means also including a shutter means for each of said at least three reference beams.

Cancel claim 3.

In claim 4, line 1 change "3" to --2--.

Cancel (without prejudice to refilling) claims 37 and 38.

Replacement claim pages are attached.

A clean set of claims is also attached.

#### REMARKS

In response to the Office Action of September 25, 2003, Applicant has amended claim 1 and cancelled claim 3. As amended, all of the subject matter of claim 3 is repeated, verbatim, in claim 1 (fourth amendment). Also, the language "substantially identical" has been deleted to remove the § 112, second paragraph, rejection. With the cancellation of claim 3, claim 4 has been amended to depend from